(19)





(11) **EP 1 569 178 A3**

EUROPEAN PATENT APPLICATION (12)(88) Date of publication A3: (51) Int Cl.: G07D 7/12^(2006.01) G01B 11/00^(2006.01) 04.04.2007 Bulletin 2007/14 (43) Date of publication A2: 31.08.2005 Bulletin 2005/35 (21) Application number: 05001795.3 (22) Date of filing: 28.01.2005 (84) Designated Contracting States: · Singu, Satoshi AT BE BG CH CY CZ DE DK EE ES FI FR GB GR **NEC Postal Technorex, Ltd.** HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR Tokvo (JP) **Designated Extension States:** • Uno, Koei AL BA HR LV MK YU **NEC Postal Technorex, Ltd.** Tokyo (JP) (30) Priority: 28.01.2004 JP 2004020570 (74) Representative: Glawe, Delfs, Moll (71) Applicant: NEC CORPORATION Patentanwälte Tokyo (JP) Postfach 26 01 62 80058 München (DE) (72) Inventors: • Watanabe, Mitsuru **NEC Corporation** Tokyo (JP)

(54) Image inputting device

(57) An image inputting device (2) is provided which is capable of making reliable and speedy detection of an indicia even for an nonstandard size postal matter (F). The postal matter (F), when having passed by a proximity detecting section (6), is radiated with ultraviolet light at specified timing from light radiating unit (9). When a postal matter (F) is radiated with ultraviolet light, fluorescence is emitted from a phosphor formed on an indicia after being pumped. In the case where the indicia is an meter,

FIG.1

when the meter passes by a fluorescence field of view, red fluorescence enters a fluorescence light receiving optical system along a fluorescence detecting optical axis. If the indicia is a postage stamp containing a substance that emits phosphorescence, when the postage stamp passes by a phosphorescence detecting field of view where no ultraviolet light is not emitted, green fluorescence enters a phosphorescence light receiving optical system along a phosphorescence detecting optical axis (La).





European Patent Office

EUROPEAN SEARCH REPORT

Application Number EP 05 00 1795

	DOCUMENTS CONSID	ERED TO BE RELEVAN	IT	
Category	Citation of document with in of relevant passa	dication, where appropriate, ges	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 3 943 361 A (MIL 9 March 1976 (1976- * claims 1-7; figur	LER CARL T) 03-09) e 1 * 	1-12	INV. G07D7/12 G01B11/00
				TECHNICAL FIELDS SEARCHED (IPC) G06K G07D G01B B07C
	The present search report has b	een drawn up for all claims		
Place of search		Date of completion of the sear	Date of completion of the search	
Munich		23 February 2	23 February 2007 Mennerun, Steeve	
C/ X : parti Y : parti docu A : tech O : non P : inter	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anoth iment of the same category nological background -written disclosure rmediate document	T : theory or p E : earlier pate after the fill D : document L : document & : member of document	rinciple underlying the nt document, but put ng date cited in the applicatio ited for other reason the same patent fam	e invention Dished on, or n s

EP 1 569 178 A3

ANNEX TO THE EUROPEAN SEARCH REPORT **ON EUROPEAN PATENT APPLICATION NO.**

EP 05 00 1795

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-02-2007

Patent document cited in search repo	t ort	Publication date	Patent family member(s)	Publication date
US 3943361	A	09-03-1976	NONE	·

3